

WHAT IS CLAIMED IS:

1. A method of processing a service request in an IP multimedia core network, comprising the steps of:

receiving a service request initiated by a first user, for a second user;

forwarding the received service request to a unit for processing a service;

receiving a processing result from the processing unit; and

first determining, based on the received processing result, whether a service request processing for the second user is to be stopped.

2. The method according to claim 1, wherein the first determining step further comprises the steps of:

checking whether the processing result received from the processing unit includes an indication for stopping the service request processing for the second user, and

when the indication is present, stopping the service request processing for the second user.

3. The method according to claim 2, further comprising the step of:

when the indication is present, checking whether the indication is valid.

4. The method according to claim 1, further comprising the step of:

before stopping the service request processing for the second user, performing a charging processing.

5. The method according to claim 1, further comprising including destination identifiers in the service request forwarded to the processing unit and the processing result received from the processing unit,

the first determining step further comprising the steps of:

comparing the destination identifiers of the service request forwarded to the processing unit and the processing result received from the processing unit, and

stopping the service request processing for the second user when the compared destinations identifiers are different.

6. The method according to claim 1, further comprising the step of:
second determining, based on the received processing result, whether to forward the service request to a third user.

7. The method according to claim 6, further comprising the steps of including destination identifiers within the service request forwarded to the processing unit and the processing result received from the processing unit;

the second determining step further comprising the steps of:
comparing the destination identifiers of the service request forwarded to the processing unit and the processing result received from the processing unit; and

switching to originating mode and forwarding the service request based on the destination identifier included in the processing result when a determination is made that the compared destination identifiers are different..

8. The method according to claim 6, further comprising including an originating identifier within the service request forwarded to the processing unit and the received processing result:

detecting whether the originating identifier included in the processing result is an originating identifier of the second user; and

when the originating identifier included in the processing result is the originating identifier of the second user, forwarding the service request based on the originating identifier included in the processing result.

9. The method according to claim 8, further comprising, when the originating identifier included in the processing result is not the originating identifier of the second user, including the originating identifier of the second user in the service request to be forwarded based on the processing result.

10. The method according to claim 8, further comprising replacing an originating identifier of the first user with the originating identifier of the second user.

11. The method according to claim 8, further comprising adding the originating identifier of the second user to an originating identifier of the first user.

12. A method of processing a service in an IP multimedia core network, comprising the steps of:

receiving a service request initiated by a first user, for a second user, from a device serving the second user;

processing a service; and

returning a processing result to the device, based on the processing result the device being configured to determine whether a service request processing for the second user is to be stopped.

13. The method according to claim 12, further comprising the step of:

including in the processing result an indication for stopping the service request processing for the second user.

14. The method according to claim 12, further comprising including a destination identifier of the second user in the received service request;

the step of processing the service further comprising determining the service request is to be forwarded to a third user;

replacing the destination identifier of the second user by a destination identifier of the third user; and

returning the processing result with the destination identifier of the third user.

15. The method according to claim 14, further comprising including an originating identifier of the first user in the received service request; and

including an originating identifier of the second user in the processing result when determining that the service request is to be redirected to a third user.

16. The method according to claim 15, further comprising replacing an originating identifier of the first user with the originating identifier of the second user.

17. The method according to claim 15, further comprising adding the originating identifier of the second user to an originating identifier of the first user.

18. A method of handling a service request in an IP multimedia core network, comprising the steps of:

receiving a service request initiated by a first user, for a second user, in a device serving the second user;

forwarding the received service request to a unit for processing a service;

receiving the forwarded service request in the processing unit;

processing the service in the processing unit;

returning a processing result to the device, based on the processing result the device being configured to determine whether a service request processing for the second user is to be stopped;

receiving the processing result by the device from the processing unit; and

determining, based on the received processing result, whether the service request processing for the second user is to be stopped.

19. A device for processing a service request in an IP multimedia core network, comprising:

means for receiving a service request initiated by a first user, for a second user;

means for forwarding the received service request to a unit for processing a service;

means for receiving a processing result from the processing unit; and

means for determining, based on the received processing result, whether the service request processing for the second user is to be stopped.

20. A unit for processing a service in an IP multimedia core network, comprising:

means for receiving a service request initiated by a first user, for a second user, from a device serving the second user;

means for processing a service; and

means for returning a processing result to the device, based on the processing result by the device being configured to determine whether a service request processing for the second user is to be stopped.

21. A computer program product for use in an IP multimedia core network, the computer program product comprising a computer usable medium having computer readable program code means embodied in said medium, said computer readable program code means comprising:

a first computer readable program code for causing a computer to receive a service request initiated by a first user, for a second user;

a second computer readable program code for causing the computer to forward the received service request to a unit for processing a service;

a third computer readable program code for causing the computer to receive a processing result from the processing unit; and

a fourth computer readable program code for causing the computer to determine, based on the received processing result, whether a service request processing for the second user is to be stopped.

22. A computer program product for use in an IP multimedia core network, the computer program product comprising a computer usable medium having computer readable program code means embodied in said medium, said computer readable program code means comprising:

a first computer readable program code for causing a computer to receive a service request initiated by a first user, for a second user, from a device serving the second user;

a second computer readable program code for causing the computer to process a service; and

a third computer readable program code for causing the computer to return a processing result to the device, based on a the processing result the device being configured to determine whether a service request processing for the second user is to be stopped.

23. A device for processing a service request in an IP multimedia core network, comprising:

a first receiver configured to receive a service request initiated by a first user, for a second user;

a forwarding device configured to forward the received service request to a unit for processing a service;

a second receiver configured to receive a processing result from the processing unit; and

a determining unit configured to determine, based on the received processing result, whether the service request processing for the second user is to be stopped.

24. A unit for processing a service in an IP multimedia core network, comprising:

a receiver configured to receive a service request initiated by a first user, for a second user, from a device serving the second user;

a processing device configured to process a service; and

a returning device configured to return a processing result to the device, based on the processing result the device being configured to determine whether a service request processing for the second user is to be stopped.